

## Claims

We claim:

1. In a system comprising at least a first device, a second device and a  
5 routing infrastructure comprising a plurality of routers used to communicate  
information between the first device and the second device, a method comprising  
the steps of:  
at the first device:  
receiving an anycast address;  
10 injecting an updated route to the anycast address into the routing  
infrastructure each time the first device roams to a different subnet;  
sending a binding update to the second device informing the second  
device of the anycast address; and  
receiving information from the second device via the anycast address  
15 regardless of a location of the first device in the system.
2. The method of claim 1 wherein the anycast address is topologically  
independent.
- 20 3. The method of claim 1 wherein the anycast address remains constant while  
the first device is powered on.
4. The method of claim 1 wherein the second device is a home agent for the  
first device.  
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5. The method of claim 1 wherein the second device is a correspondent  
device in the system.
6. The method of claim 1 wherein the step of receiving an anycast address is  
30 performed when the first device is powered on.

7. The method of claim 1 wherein the step of receiving an anycast address is performed when the first device roams to a first foreign subnet.

5 8. The method of claim 1 wherein the anycast address is an anycast care-of-address.

9. The method of claim 1 wherein the anycast address is an anycast home address.

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10. The method of claim 1 wherein the location of the first device is transparent to the second device.

11. The method of claim 1 further comprising the steps of:  
15 attaching to a mobile router; and  
receiving information from the second device via an address assigned to the mobile router.

12. The method of claim 11 further comprising the steps of:  
20 de-attaching from the mobile router;  
attaching to a new subnet;  
injecting an updated route to the anycast address into the routing infrastructure; and  
receiving information from the second device via the anycast address.